

CTC

Centro de Tecnologia Canavieira

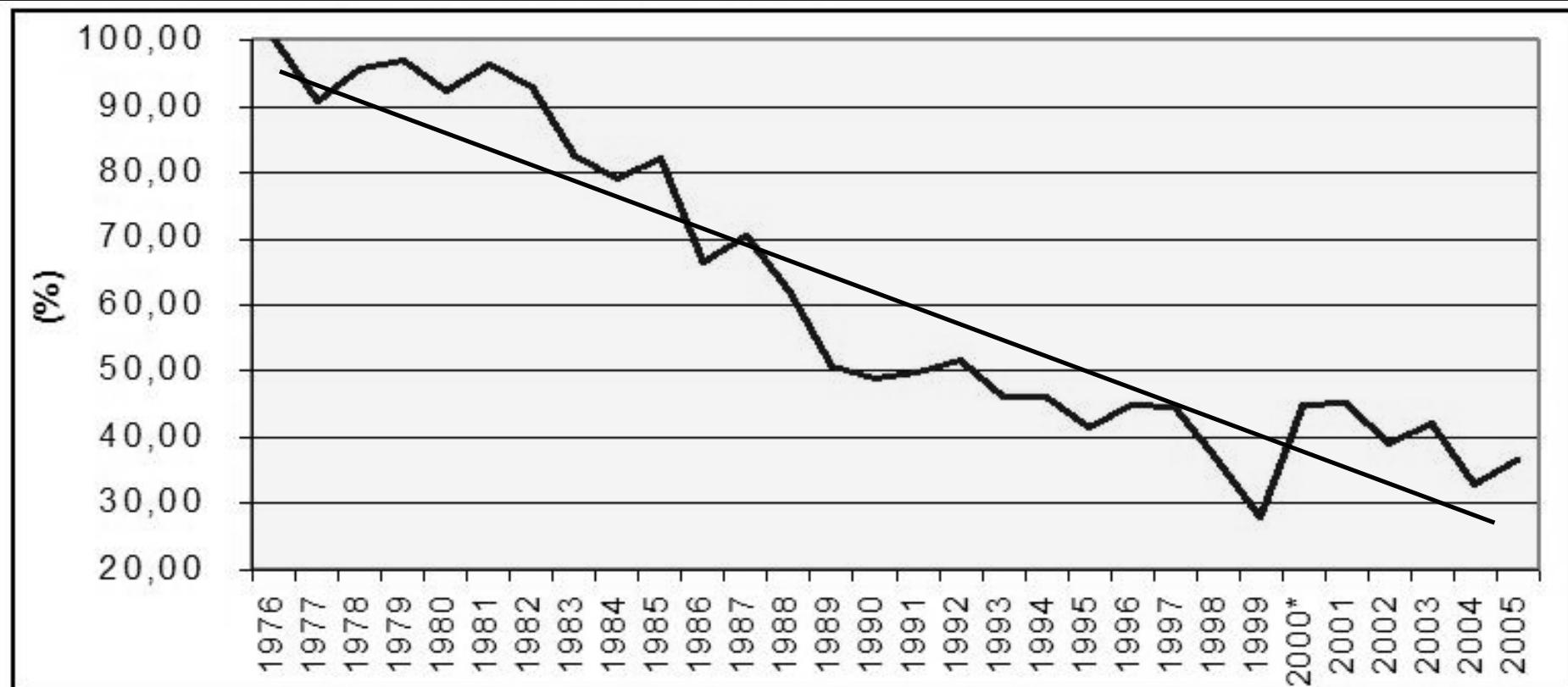


Technology Overview and Perspectives on Next Generation Technologies

Visão Geral da Tecnologia e Perspectivas das Tecnologias de Nova Geração

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Ethanol Cost Evolution



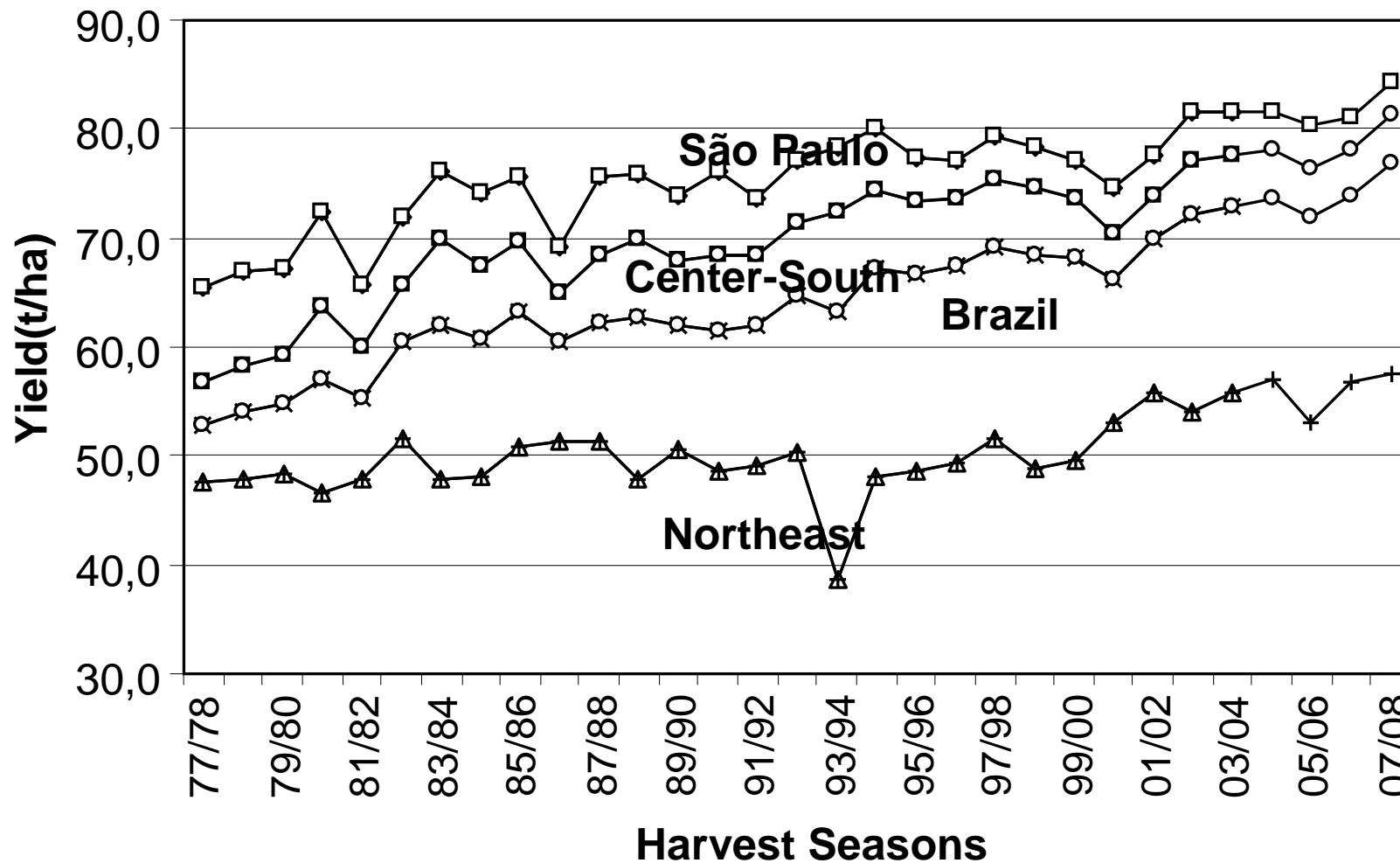
DEFLACIONADOS PELO IGP-DI - valores de julho de 2005

- Preços aos produtores sem impostos

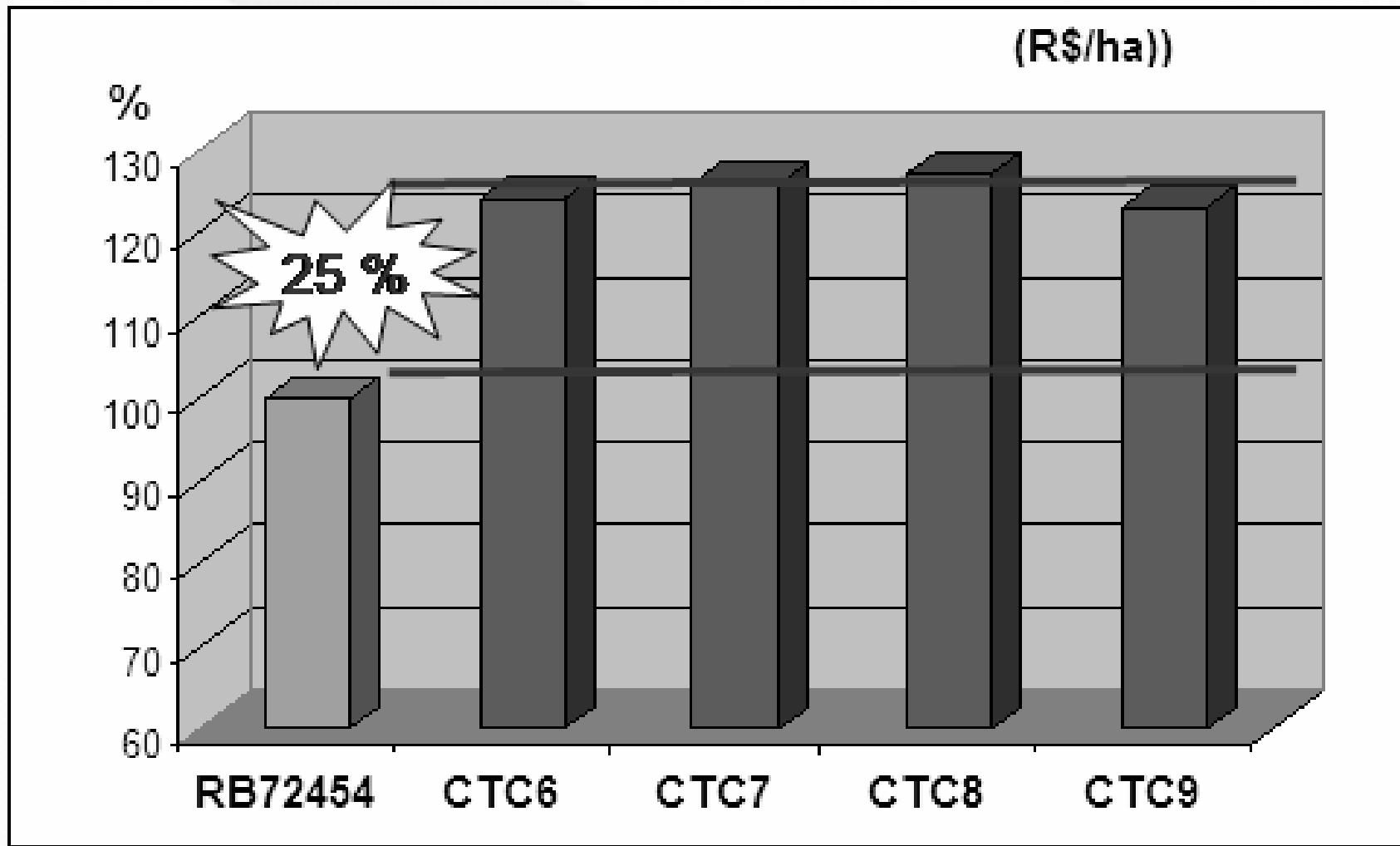
- 1976 = base 100

(*) - momento de excesso de oferta

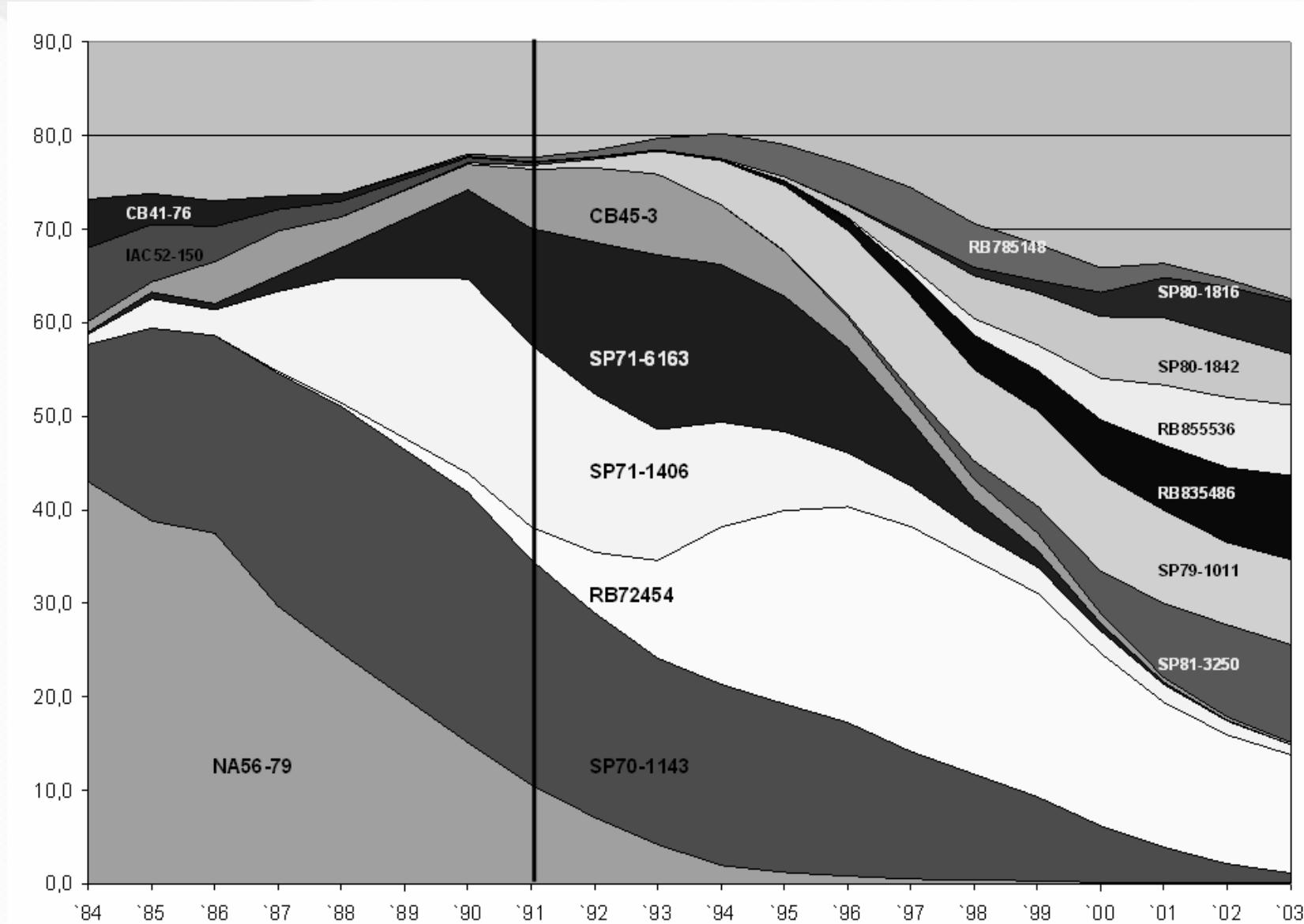
Yield by Brazilian Regions



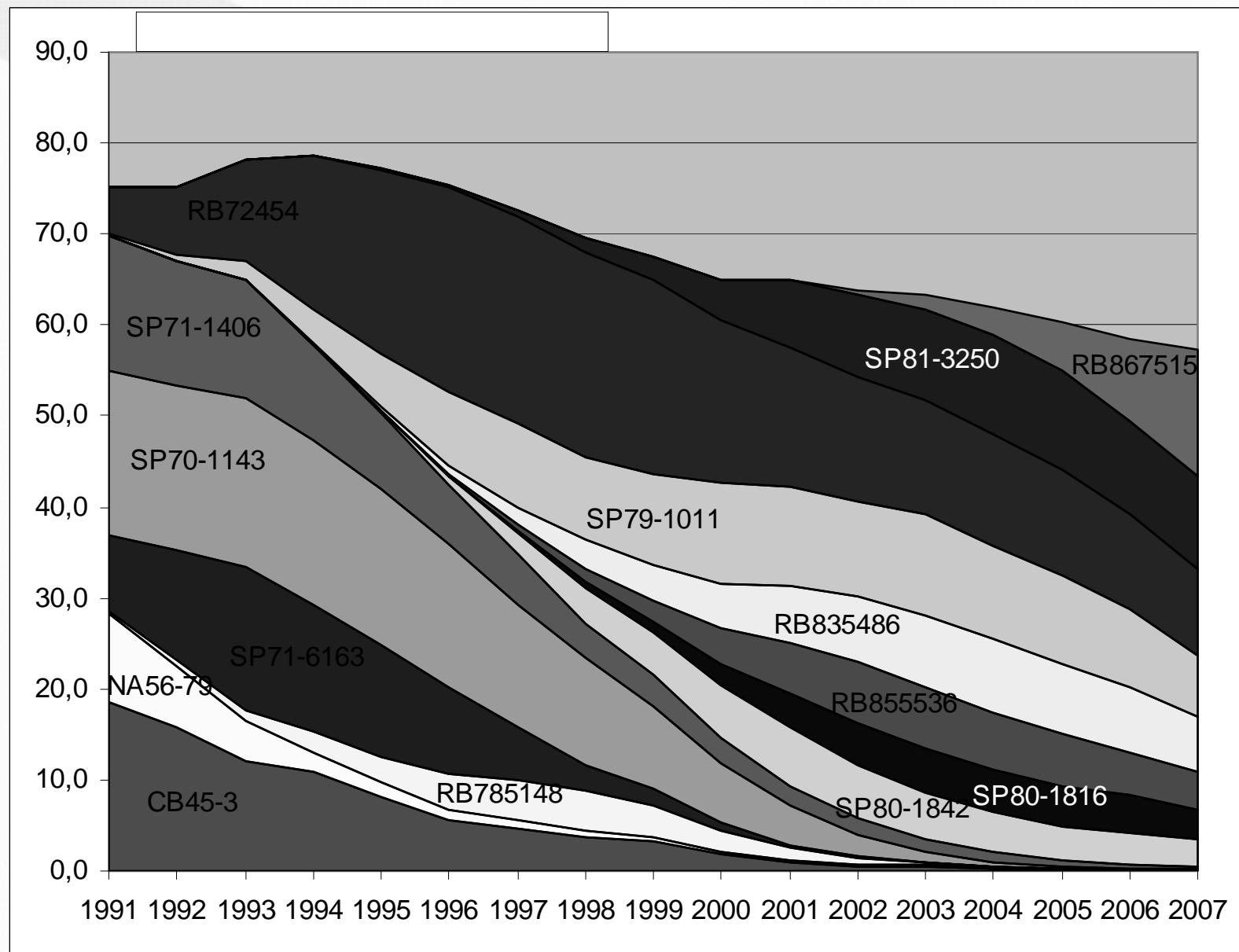
New varieties benefits



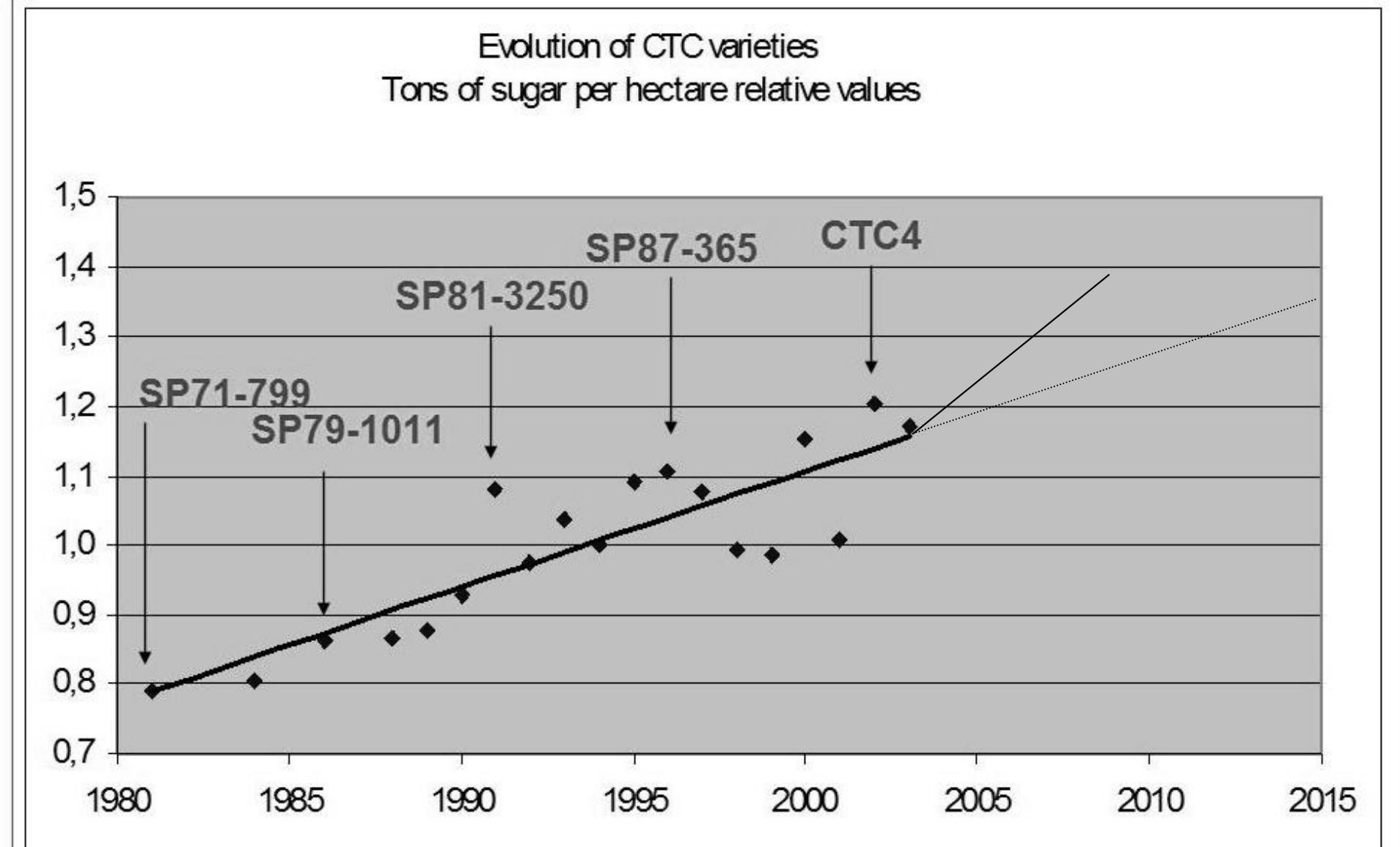
Area (%)



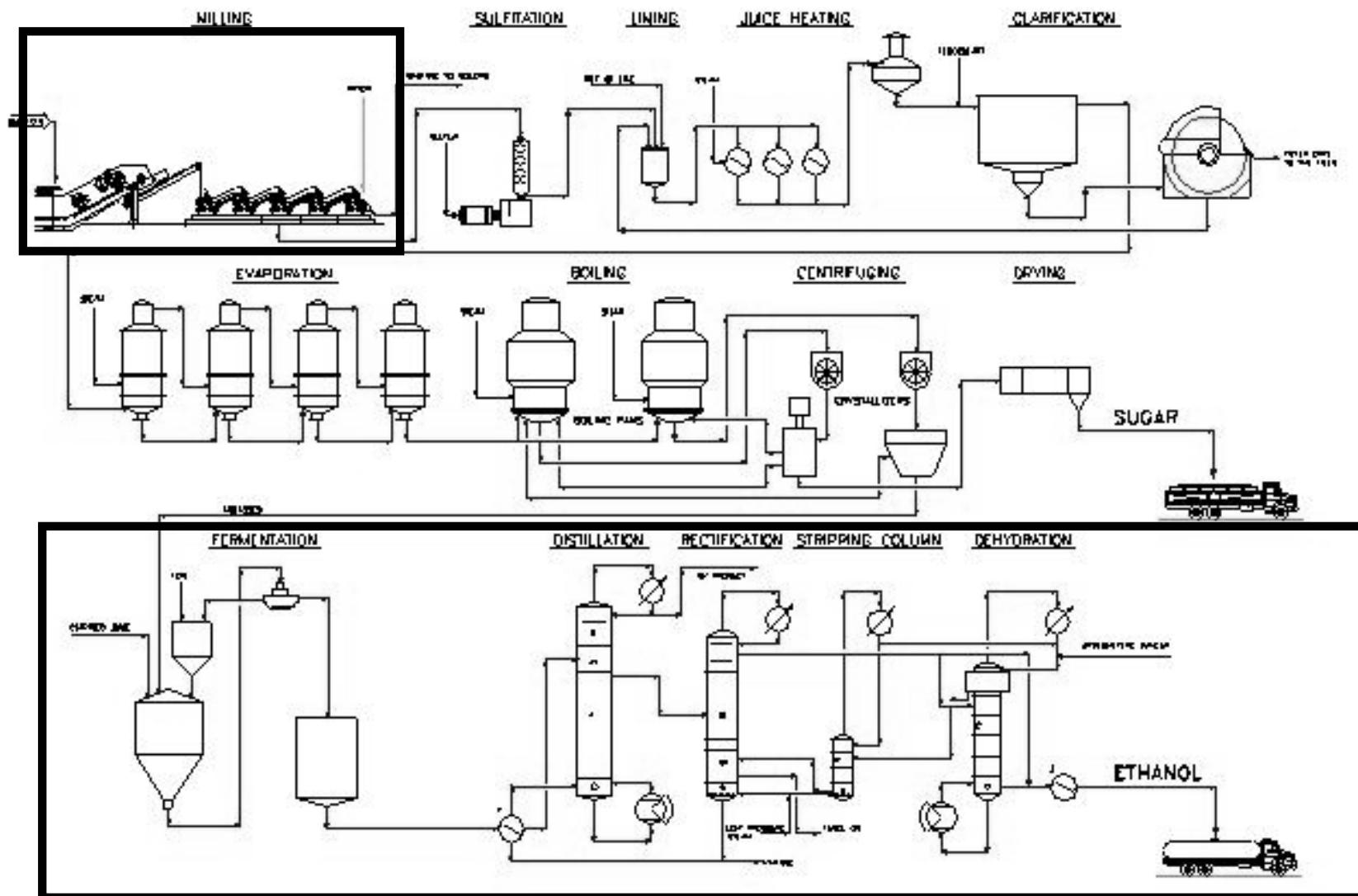
Area (%)



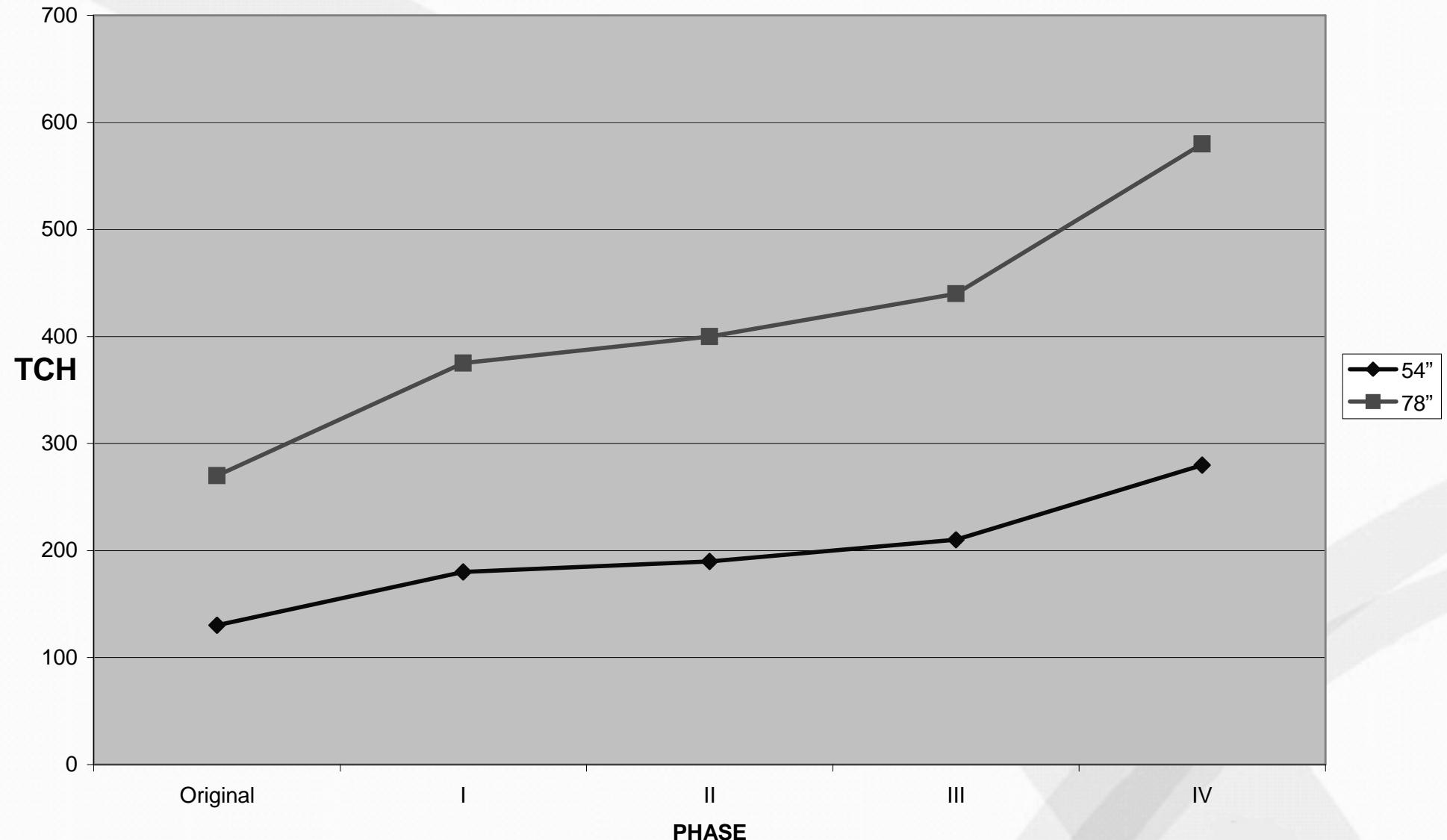
CTC Sugarcane Breeding



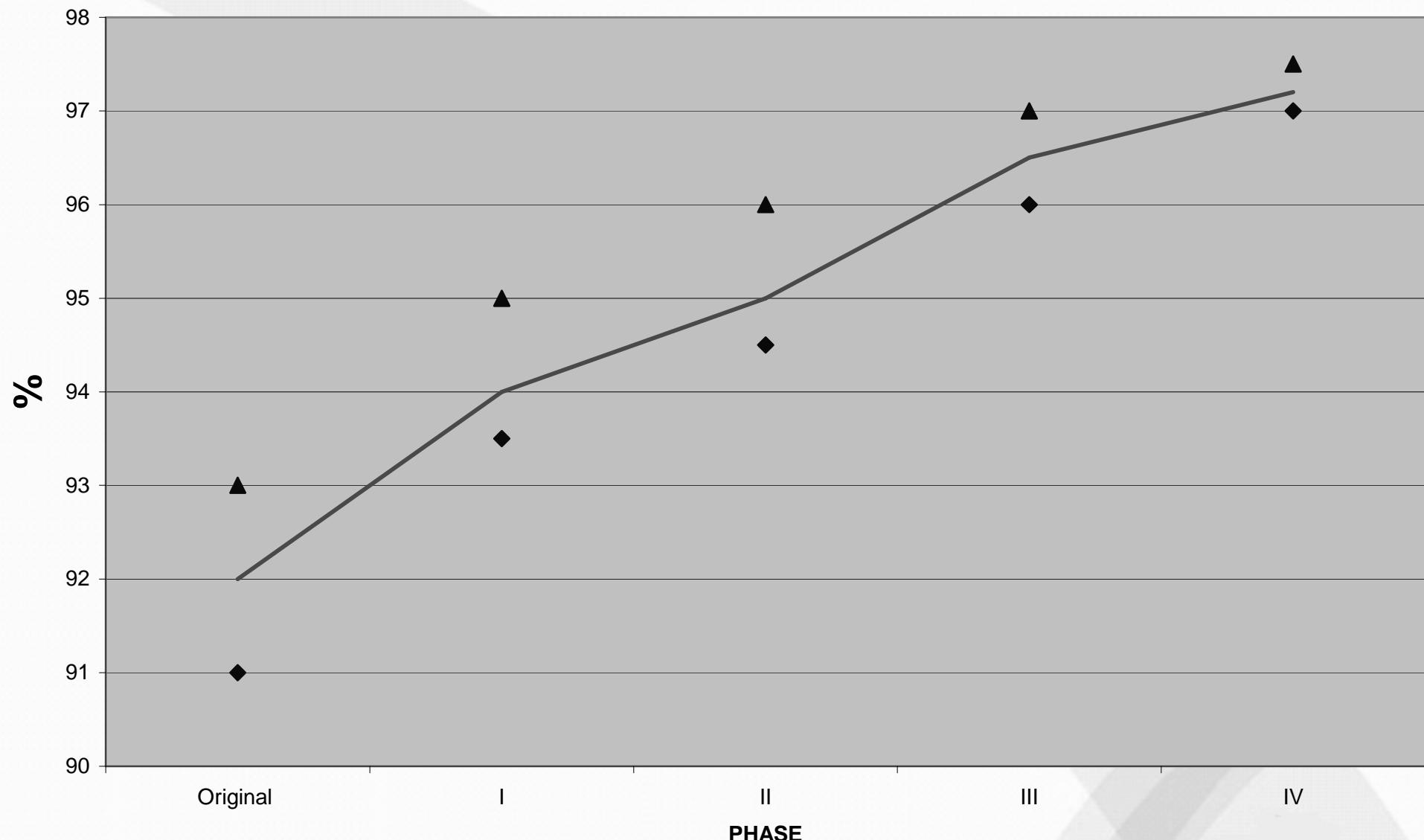
FLOW DIAGRAM - SUGAR AND ETHANOL



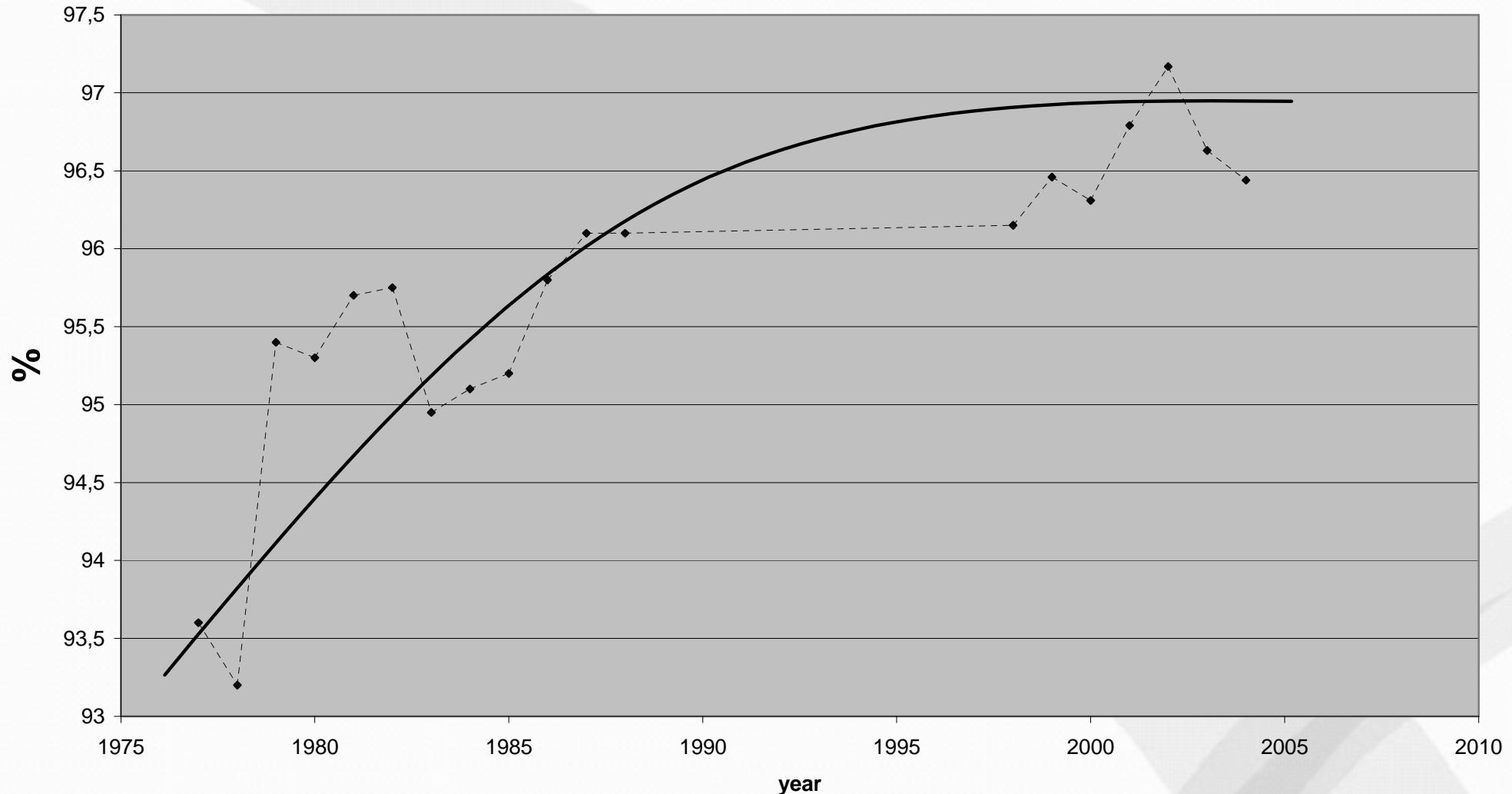
Evolution of milling capacity



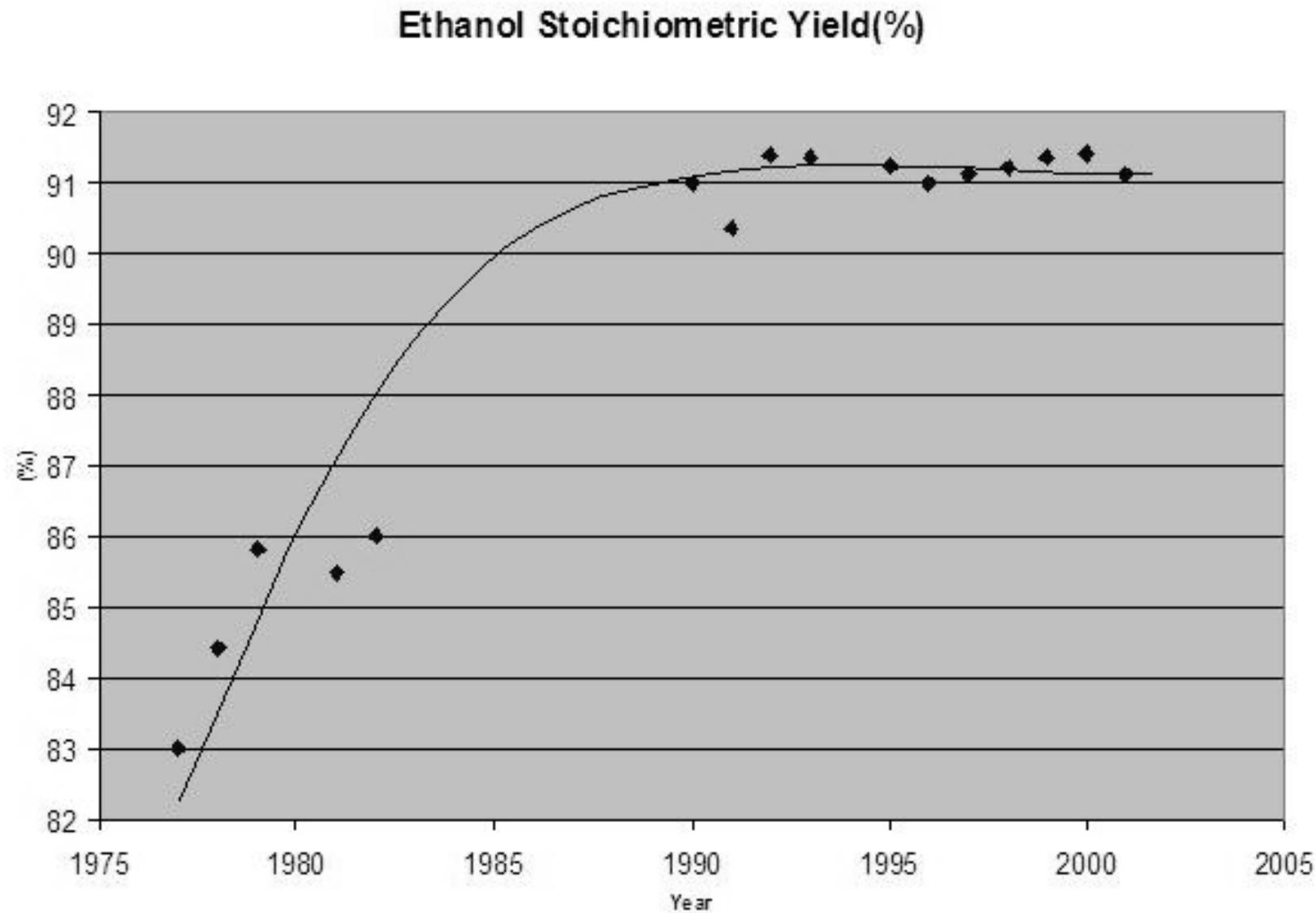
Evolution of milling efficiency



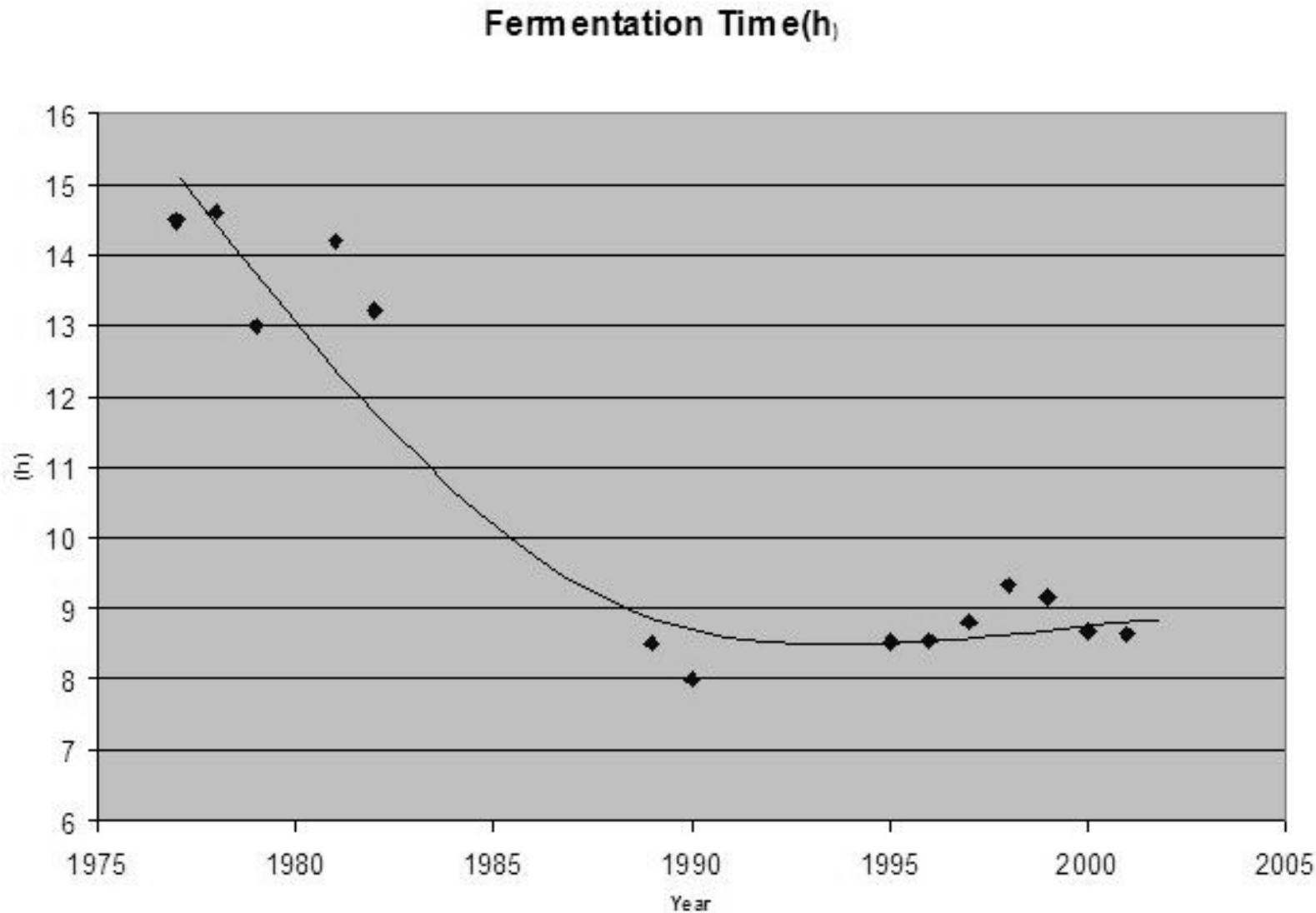
Evolution of milling efficiency



Evolution of fermentation process



Evolution of fermentation process



Future ?

2 x 2 x 2

- Energy cane
 - 2x more biomass / ha
- Carbon (CO₂) capture
 - Algae biodiesel: 2x more biofuels / ha
- Better use of biofuels
 - “Hypercars”
 - Hybrids then Fuel cells
 - 2x more mileage / ha

thanks

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